

JULY

at the

CALIFORNIA ACADEMY OF SCIENCES

JULY MEETINGS (For Members Only)

DATE: Wednesday evening, July 15
TIMES: 7:30 p.m. and again at approximately 8:40 p.m. Two screenings.
PLACE: May Treat Morrison Auditorium
SUBJECT: "WHO KILLED LAKE ERIE?"

The National Broadcasting Company's Educational Enterprises has made available for reshowing several of its memorable television programs dealing dramatically with the destruction of man's environment.

The initial program in a series was "WHO KILLED LAKE ERIE?" which was enthusiastically received and reviewed nationally. Thus, it seemed in order to present it to the membership as a kind of visual sermon which is not likely soon to be forgotten.

Here is the story of a once beautiful lake now clogged with billions of gallons of industrial waste, raw sewage from cities surrounding it, foaming with detergents and pesticides, litter, garbage, dead fish. The beaches and recreation areas of Lake Erie, places so important to man with his added leisure, are literally filthy and untenable. Here is a spectacular, encapsulated example of world blight.

The commentary includes the following arresting sentence: "It is an open question whether in the long run we will be able to survive in the complicated and unstable environment we have created for ourselves. Western Man has had a remarkable history. He has been vigorous. He has believed that he could manipulate nature to his will. In the long view of history this is perhaps his tragic flaw. In pollution we see the ultimate distortion of our dream."

Who killed Lake Erie? If it dies — we all did. Someway and soon a lesson must be learned. This hour-long film in color has been given both a Peabody Award and a Headliner Achievement Award. It was written, directed and produced by

Fred Freed and is narrated by NBC News Correspondent Frank McGee.

As indicated, two showings on the same evening at 7:30 and again at about 8:40. Your 1970 membership card is your admission. Two ways of ingress are available: Cowell Hall, Main Entrance; and the rear Planetarium entrance off Middle Drive.

MORRISON PLANETARIUM

"MOONDAY", the Theatre of the Stars' summer spectacular sky show, continues through September 13. Nearly fourteen earth days elapse between sunrise and sunset on the Moon and there is a like period of darkness, which together makes almost a "moonth." In this fascinating show, Morrison's astronomers compress that time into one hour during which you experience a day on the moon.

Summer show times: Daily at 12:30, 2:00, 3:30 and 8:00 p.m. with extra shows on Saturday and Sunday afternoons. *Please note the change in the time of the evening shows.* This has been arranged to coincide with the later closing of the entire Academy at 9:00 which will remain in effect through Labor Day.

SPECIAL EXHIBITS

"MOON ROCK", a vesicular crystalline rock sprinkled with sparkling material collected by Astronauts Armstrong and Aldrin at Tranquility Base on the Moon during the legendary Apollo 11 flight, continues on display at the Academy during the entire month of July. Its location has been changed from the Hohfeld Hall of Space Science to the Main Entrance, Cowell Hall.

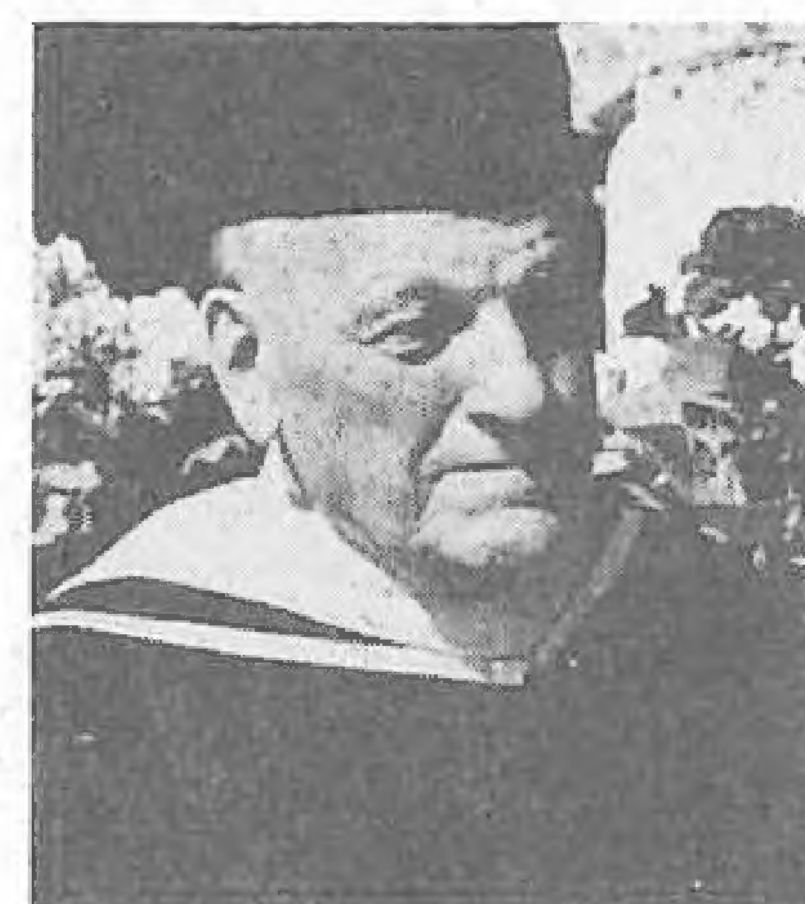
NEW PERMANENT EXHIBITS

"DILOPHOSAUR", a "two-crested lizard," is now on display in a simulated excavation in Fossil Hall. It is a thermoplastic cast from the original which was discovered in Arizona in 1942 and now repositied at the University of California at Berkeley. It came from a Jurassic Age formation dating some 170 million years ago.

"JADE", samples and artifacts from the Academy collections now on display in special cases near the huge examples of jadeite and nephrite at the entrance to Mineral Hall. There are examples of various kinds and colors from around the world.

NEWS and NOTES

ON MAY 18, G Dallas Hanna, the Academy's Curator of Geology, was given an Honorary Degree of Doctor of Sciences by the University of Alaska at its Commencement Exercises. In the citation, Dr. Hanna (associated with the Academy since 1919) was described as an "Eminent and dedicated scientist, revered friend and pioneer scientific researcher of Alaska."



He first visited there in 1911 and by his research efforts through six decades has added enormously to man's knowledge and understanding of the natural resources of the Far North.

Congratulations, Doc!

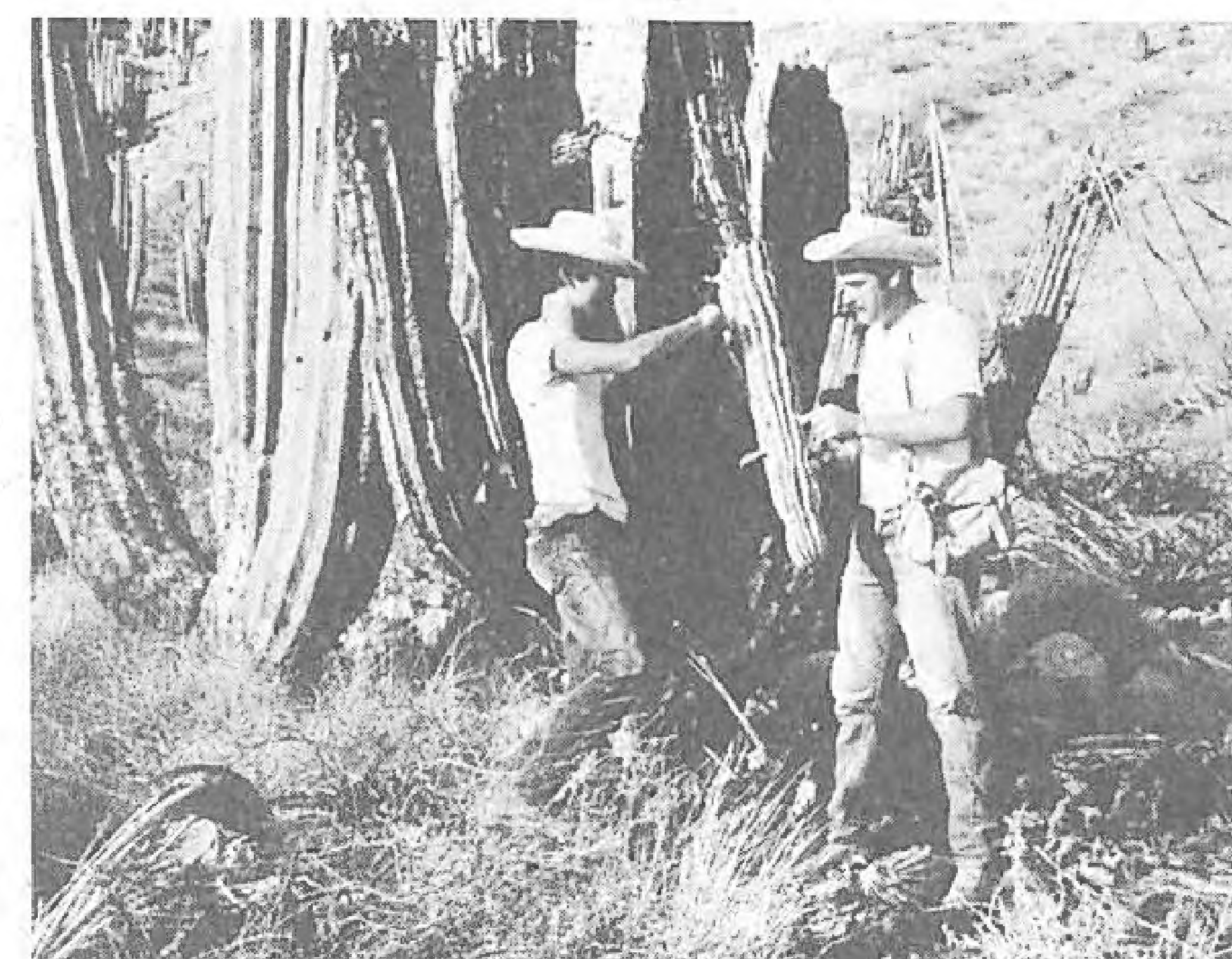
IN MAY, an Academy member was singled out by *Holiday* magazine as a recipient of an award in its "Awards for a Beautiful America" competition and we wish to make note of the fact in the NEWSLETTER. She is Mrs. Elizabeth Terwilliger of Mill Valley and was praised for her work in helping save the Point Reyes National Seashore and Angel Island, and for her leadership in other conservation efforts in the Bay Area. Only twenty such awards were given nationally.

She and her husband, Dr. Calvin K. Terwilliger, have been members of the Academy since 1960.

RECENT SCIENTIFIC PUBLICATIONS of the CALIFORNIA ACADEMY OF SCIENCES

PROCEEDINGS

- "Fossil Diatoms from the Pribilof Islands, Bering Sea, Alaska". G Dallas Hanna. Vol. XXXVII, No. 5. March 6, 1970. \$2.75
"Copelatus Glyphicus (Say) and Suphisellus Bicolor (Say), Water Beetles New to California and Presumably Introduced (Coleoptera: Dytiscidae and Noteridae)". Hugh B. Leech. Vol. XXXVII, No. 6. March 6, 1970. 35c
"Review of the Snakes of the Genus *Lytorhynchus*". Alan E. Leviton and Stevenson C. Anderson. Vol. XXXVII, No. 7. March 6, 1970. \$1.00
"Scorpion Fauna of Baja California, Mexico: Eleven New Species of *Vejovis* (Scorpionida: Vejovidae)". Stanley C. Williams. Vol. XXXVII, No. 8. March 6, 1970. \$1.75



ACADEMY RESEARCH ASSOCIATE Stanley C. Williams (above right) returned recently from a two-week research cruise in and about the southern islands of Baja California. Mr. Richard Dwyer of Corona del Mar made his vessel *Sea Quest* available to Dr. Williams and Vincent Lee, a graduate student currently in the Department of Entomology. Dr. Williams' research is concentrated on scorpions (see ACADEMY NEWSLETTER October 1969). Mr. Lee is occupied with pseudoscorpions which will be the subject of his Master's thesis.

Some of the virtually inaccessible islands brought to light a wealth of biological material including insects, arachnids, herpetological specimens — and about 1250 scorpions which included real rarities. Among the latter were a dozen specimens of diurnal scorpions, the first such to be found searching for prey in the the heat of the day.

AND WHILE we are on the subject of scorpions, Dr. Williams has a request, one in which one of our members could be of help. First, some background: It is on record that in the early 1800s a specimen of scorpion was found in San Francisco proper was taken to Europe and subsequently described by an Italian scientist. Thus far that particular San Francisco scorpion is the only one on record. The description differs from scorpions found in Marin County. All of which brings us to Dr. Williams' request to any member of such a mind and by a stroke of good luck who comes across a scorpion in *San Francisco* to scoop it up into a receptacle and bring it (if possible alive) into the Department of Entomology. Dr. Williams added that he would be properly grateful even for a dead one.

The San Francisco type is not, according to the records, dangerous — its sting not being much more than that of a bee's. It is medium in size and dark in color and reputedly slow and docile. If you *should* come across one — and we hope it occurs — please record the *date* it was taken, exactly *where* it was taken in San Francisco, and of course the name of the *collector* — all details necessary for the records. In advance, we thank you.

WHEN NEXT you are visiting the Academy, make a special excursion to Steinhart Aquarium's Tank #43 and introduce yourself to Sindi, a sightless, side-swimming, fresh-water Gangetic dolphin (*Platanista gangetica*). She's pink, she's petite, and she's pretty (in her own fashion) and is the only one on display in the entire world. She is a gift to the aquarium of Mr. and Mrs. Elkan J. Morris of Fairbanks, Alaska, who personally supervised her long, long flight from the Orient. Her native home was in the Indus River near Sukkur which is north of Karachi, West Pakistan. She came to us via Bangkok, Saigon, Hong Kong and Tokyo with stop-overs for rest and a bit of swimming on the way.

She was captured by Sindi fishermen in November 1969. The intervening months in captivity were in preparation for the difficult flight which she made with flying colors (no pun intended) and seems nicely adjusted to her new surroundings. Her blindness is usual with her particular breed, sight being of no consequence in her muddy, murky habitat. She probably has the world's best sonar and she swims on her right (some choose left). She shares a watery home with the mammoth manatee and the contrast is something to witness!

DON'T FORGET TO ENJOY YOUR ACADEMY IN THE EVENINGS DURING SUMMERTIME. WE WILL STAY OPEN UNTIL NINE O'CLOCK THROUGH LABOR DAY, SEPTEMBER 7.

Meet The Staff . . .



Photo by Lloyd Ullberg

LAURIE UMEH, Library Assistant in the J. W. Mailliard, Jr. Library, is a native of Minneapolis, Minnesota where she received her early schooling. She had one year of general instruction at the University of Minnesota which was terminated with marriage and the birth of her son, Martin.

The Umehs moved to San Francisco in late 1963. After two years of housewifery, Laurie resumed her education at San Francisco City College for training as a Library Technician and received her certificate in June 1967. During this period she had in-the-field training at the Academy and sensed that *here* was a place she would really like to be employed. After receiving her certificate she held a brief position at St. Joseph's hospital as a Library Assistant. Then, to her relief, an opening occurred at the Academy and she became a permanent employee in October 1967. At one period in her life she had toyed with the idea of majoring in zoology — thus her interests in books and natural history were finally wedded. Her job is to order books from publishers and second-hand and antiquarian book dealers all over the world. She also prepares books and journals for the bindery.

She describes her life as "child oriented" at this time. She and six-year-old Martin are exploring the local scene on foot and by bicycle creating weekly personal adventures midst the beauty of the Bay Area. She believes her greatest creative venture lies in cookery — with a world-wide flavor — and on occasion bakes her own bread. As time permits, she sews and knits and devotes as much effort as is possible to activities benefiting and improving local day care centers for children.

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